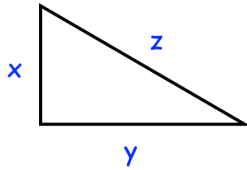




Shown is a right angle triangle



$y = 8.5\text{cm}$  correct to the nearest mm

$z = 9.6\text{cm}$  correct to the nearest mm

Calculate the lower bound for  $x$ .

Given

$$3x - 4 : x + 1 = 2x + 9 : 4x$$

Find the possible values of  $x$

In a box there are 16 counters, each with a number written on it.

Five counters have the number 0.

Two counters have the number 1.

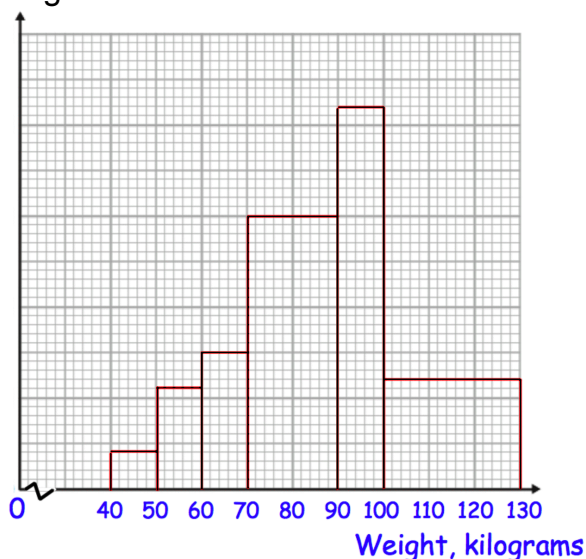
Eight counters have the number 2.

One counter has the number 3.

Two counters are picked at random, one at a time, from the box.

Find the probability that the number on the first counter is greater than the number on the second.

The histogram shows the weights in kilograms of 504 athletes.



45 athletes weigh under 60kg.  
Calculate an estimate of the number of athletes between 70 and 95kg.